

An Overall NOAA R2A Context for Testbeds and Operational Proving Grounds

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3rd NOAA Testbed Workshop

May 1, 2012



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“No Transitions – No Outcomes”

- **Monitoring:** Need for a NOAA-wide R&D project-level database to monitor and evaluate transition projects to include:
 - Technical readiness levels
 - Deliverables
 - Benefits
- **Management:**
 - Line Office Transition Managers (LOTMs) and testbeds working collectively with the structure of the NOAA Research Council
 - Testbed and Operational Proving Ground Coordinating Committee reporting to the LOTMs

R2A Life Cycle/Process

- Planning (SEE process IPs, transition plans)
- Testing and demonstration (testbeds)
- Measuring (societal impacts)
- Transitioning to applications (operational proving grounds)
- Documenting (success stories, publicizing, archiving)

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The Partners

- The NOAA Science Advisory Board – looking over our shoulders with their current R&D review and many other smaller reviews
- Joint testbeds with other agencies
- The private sector:
 - The Presidents tech transfer directive
 - Office of Research Technology and Applications (ORTA)
 - Cooperative Research and Development Agreements (CRADAs)
 - Small Business Innovative Research (SBIR)
 - MOUs and patents
 - Intellectual property



R2A

Issues and Challenges

- Transition of observing systems – a large portion of NOAA's budget
 - How to assess observing systems for operational use?
 - GOES-R Proving Ground
 - The JCSDA
 - The OSSE Testbed
 - Each addressing a part of the yet-to-emerge Quantitative Observing System Assessment Program (QOSAP)
- Documenting activities, particularly successes of TBs and PGs
- Integrating social science into the R2A (TBs and PGs) process